

 <p>United States Environmental Protection Agency Washington, DC 20460</p> <p><b>Interagency Agreement/ Amendment</b></p> <p><b>Part 1 - General Information</b></p>		1. EPA IA Identification Number DW-14-95820801 - 0		2. Funding Location by Region EPA R5					
		3. Other Agency IA ID Number (if known)		4. Awarding Office IASSC West					
		5. Type of Action New		6. IA Specialist: Yvette Downs 206-553-6321 Downs.Yvette@epa.gov					
7. Name and Address of EPA Organization US Environmental Protection Agency IASSC West 1200 Sixth Avenue, Suite 900, OMP-145 Seattle, WA 98101			8. Name and Address of Other Agency Department of the Interior Midwest Region Office NPS / Midwest Region Office / 601 Riverfront Drive Omaha, NE 68102-4226						
9. DUNS: 029128894		10. BETC: DISB		11. DUNS: 092773134					
12. BETC: COLL									
13. Project Title and Description DOI-National Park Service Great Lakes Restoration Initiative Fiscal Year 2012 Appropriation  This Interagency Agreement will fund the U.S. National Park Service to complete nine individual projects that further overall goals of the Great Lakes Restoration Initiative action plan. These nine projects will remove contaminated sediment from parks, restore habitats through invasive species control, complete coastal restoration plans, continue benthic mapping to accelerate coastal restoration, evaluate nearshore ecosystems to prevent botulism outbreaks, control overabundant wildlife, restore subdunal wetlands, restore coastal and fluvial processes, and implement priority Lakewide Management Plan projects. These efforts will take place in the Great Lakes basin.									
14. EPA Project Officer (Name, Address, Telephone Number) Thomas ODonnell 77 West Jackson Blvd. (G-17J) Chicago, IL 60604-3507 312-886-0813 E-Mail: ODonnell.Thomas@epamail.epa.gov FAX: 312-886-6869			15. Other Agency Project Officer (Name, Address, Telephone) Phyllis Ellin NPS / Midwest Region Office / 601 Riverfront Drive Omaha, NE 68102-4226 312-353-1613 E-Mail: phyllis_ellin@nps.gov FAX: 312-353-2018						
16. Project Period: 04/27/2012 to 09/30/2013			17. Budget Period: 04/27/2012 to 09/30/2013						
18. Scope of Work (See Attachment) Scope of Work is attached.									
19. Employer/Tax ID No. 520852695		20. CAGE No: 347A4		21. ALC: 68-01-0727					
22. Statutory Authority for Transfer of Funds and Interagency Agreement Consolidated Appropriations Act; 2012; Public Law 112-74					23. Other Agency Type Federal Agency				
24. Revise Reimbursable Funds and Direct Fund Cites (only complete if applicable)									
	Previous Funding		This Action		Amended Total				
Revise Reimbursable (in-house)					0				
Direct Fund Cite (contractor)					0				
Total					0				
	Previous Amount		Amount This Action		Total Amount				
25. EPA Amount			\$3,356,509		\$3,356,509				
26. EPA In-Kind Amount					\$0				
27. Other Agency Amount			\$0		\$0				
28. Other Agency In-Kind Amount					\$0				
29. Total Project Cost			\$3,356,509		\$3,356,509				
30. Fiscal Information									
Treas. Symbol	DCN	FY	Appropriation	Budget Org	PRC	Object Class	Site/Project	Cost Org	Ob/De-Ob Amt
681/30108	1205HAX003	1213	B	05HQ0	202BJ7XF1	2506			800,000
681/30108	1205HAX003	1213	B	05HQ0	202BJ7XF2	2506			956,509
681/30108	1205HAX003	1213	B	05HQ0	202BJ7XF3	2506			350,000

Fiscal (Continued)									
Treas. Symbol	DCN	FY	Appropriation	Budget Org	PRC	Object Class	Site/Project	Cost Org	Ob/De-Ob Amt
681/30108	1205HAX003	1213	B	05HQ0	202BJ7XF4	2506	-	-	1,150,000
681/30108	1205HAX003	1213	B	05HQ0	202BJ7XF5	2506	-	-	100,000
									3,356,509

EPA Form 1610-1 (Rev. 11-09). Previous editions are obsolete.

Part II - Approved Budget				EPA IAG Identification Number DW-14-95820801 - 0
31. Budget Categories	Itemization of All Previous Actions	Itemization of This Action	In-Kind Itemization of This Action	Itemization of Total Project Cost to Date
(a) Personnel		\$1,045,000		\$1,045,000
(b) Fringe Benefits				\$0
(c) Travel		\$70,000		\$70,000
(d) Equipment		\$55,500		\$55,500
(e) Supplies		\$232,000		\$232,000
(f) Procurement / Assistance		\$1,932,500		\$1,932,500
(g) Construction				\$0
(h) Other				\$0
(i) Total Direct Charges	\$0	\$3,335,000	\$0	\$3,335,000
(j) Indirect Costs:	\$0	\$21,509		\$21,509
Charged - Amount Rate: 0.64% Base: \$3,335,000.00 Not Charged: Funds-Out: Not charged by Other Agency Estimate by other Agency Amount \$				
(k) Total (EPA Share 100.00 %) (Other Agency Share 0.00 %)	\$0	\$3,356,509	\$0	\$3,356,509
32. How was the IDC Base calculated? The US NPS calculated the indirect cost as 0.64% of the total direct costs. These indirect costs reflect GLRI-associated programmatic activities including project preparation, program administration, financial management, and reporting performed by US NPS Midwest regions's employees. The calculated Indirect cost percentage documented by US NPS was determined by dividing Indirect costs by Direct costs.				
33. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Identify all equipment costing \$1,000 or more) Generator Land Tamer LT 8X8 RS Total Station Survey Instrument				
34. Are any of these funds being used on extramural agreements? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Type of Extramural Agreement Grant ; Cooperative Agreement ; Contract				
Contractor/Recipient Name (if known)	Total Extramural Amount Under This Project		Percent Funded by EPA (if known)	
-	1932500 Total \$ 1,932,500.00		0	
Part III - Funding Methods and Billing Instructions				
35. (Note: EPA Agency Location Code (ALC) - 68010727)				
<input checked="" type="checkbox"/> Disbursement Agreement	Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268-7002:			
<input checked="" type="checkbox"/> Repayment	<input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Upon Completion of Work			
<input type="checkbox"/> Advance	Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268-7002.			
<input type="checkbox"/> Allocation Transfer-Out	Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.			
36. <input type="checkbox"/> Reimbursement Agreement <input type="checkbox"/> Repayment <input type="checkbox"/> Advance <input type="checkbox"/> Allocation Transfer-In				
Other Agency's Billing Address (include ALC or Station Symbol Number)			Other Agency's Billing Instructions and Frequency	

**Part IV - Acceptance Conditions**

EPA Identification Number

DW-14-95820801 - 0

37. Terms and Conditions, when included, are located at the end of the 1610-1, or as an attachment.

**Part V - Offer and Acceptance**

**Note:** A) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and one original returned to the Grants and IA Management Division for Headquarters agreements or to the appropriate EPA Regional IA administration office within 3 calendar weeks after receipt or within any extension of time that may be granted by EPA. The agreement/amendment must be forwarded to the address cited in item 29 after acceptance signature.

Failure to return the properly executed document within the prescribed time may result in the withdrawal of offer by EPA. Any change to the agreement/amendment by the other agency after the document is signed by the EPA Award Official, which the Award Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

B) For Funds-In actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IA administration office for signature on behalf of the EPA. EPA will return one original copy after acceptance returned to the other agency after acceptance.

EPA IA Administration Office (for administrative assistance)

EPA Program Office (for technical assistance)

38. Organization/Address

U.S. Environmental Protection Agency  
IASSC West  
1200 Sixth Avenue, Suite 900, OMP-145  
Seattle, WA 98101

39. Organization/Address

US Environmental Protection Agency  
R5 - Region 5  
77 West Jackson Blvd.  
Chicago, IL 60604-3507

**Award Official on Behalf of the Environment Protection Agency**

40. Digital signature applied by EPA Award Official | Armina K. Nolan - Manager - Grants and Interagency Agreements Unit

Date

04/27/2012

**Authorizing Official on Behalf of the Other Agency**

41. Signature

Typed Name and Title

Michael T. Reynolds, Regional Director

Date

05/04/2012

## **IA Terms and Conditions**

### **1. Participation in Great Lakes Water Quality Agreement (GLWQA) and Great Lakes Restoration Initiative (GLRI) Programs and Processes**

The DOI-National Park Service (NPS) shall participate in the Great Lakes Restoration Initiative (GLRI) and the Great Lakes Water Quality Agreement (GLWQA) programs, processes and activities including the Lakewide Management Plans and Programs (LaMPs), activities relating to Areas of Concern (AOCs), State of the Lake Ecosystem Conference (SOLEC), Cooperative Science and Monitoring Initiative (CSMI), and the Binational Toxics Strategy (BTS), as requested. Such activities shall include, but not be limited to, meetings, conferences, and workshops directly tied to carrying out and implementing the GLRI and GLWQA.

### **2. Participation in Planning and Budgeting Activities**

The NPS will collaborate with EPA and other members of the Interagency Task Force regarding planning and budgeting activities for the Great Lakes Restoration Initiative including participation in Interagency Task Force meetings (as needed) and Regional Working Group meetings (weekly and as needed), assistance with budget development, development and updating of information for Congress and the public. This collaboration will include regular updates of an Interagency Funding Guide that will describe funding opportunities under the Initiative.

Information (including documents and conversations) regarding out-year budget development will be shared only among federal agency staff who must be involved in the out-year budget development process.

The NPS will collaborate with EPA to comply with requirements, including provisions for science review or competition, for the Great Lakes Restoration Initiative as expressed in conference and/or committee reports, and as required by statute.

Within a reasonable time after appropriations are made and revisions to allocations, the NPS shall update its template (identified on the attached Scope of Work) program descriptions for posting on the GLRI website.

### **3. Statutory Authority**

The Statutory Authority of this IA is The Department of Defense Appropriations Act, 2012, P.L. 112-74.

### **4. The Agency's Effort on Great Lakes Activities**

EPA will work with the NPS to ensure that the funds transferred under this IA are not used to supplant the base programs' funding of the US NPS. EPA recognizes its effort in this regard must be consistent with the NPS's statutory authorities.

### **5. Minimization of Indirect Costs**

Conference Report language encourages EPA and its federal partners to limit overhead. Consequently, the NPS will be required to minimize its indirect costs. In no event shall indirect costs exceed 5% during the project period of this IA.

Indirect costs are intramural and extramural costs not directly attributable to the NPS's effort. These costs may include management and administrative support costs, headquarters' allocation of facilities, personnel compensation support costs to regions and program offices, regional management and support costs and program office support costs.

## 6. Use of Contracts and Grants

A. NPS may use the funds transferred under this IA consistent with its grants, contracts and other programs in order to support the GLRI and the GLWQA.

To the extent that the NPS uses funds transferred by EPA under authorities that have match requirements, the Agency shall minimize the required match to the extent allowed under its authorities and regulations, unless the EPA Project Officer agrees otherwise.

The NPS will use a competitive process to select awardees of grants and contracts consistent with its authorities and regulations. To the extent feasible, any Requests for Proposals (RFPs) for contract awards and grant awards, as well as invitation for bids, shall be shared with the EPA Project Officer and made available to other members of the Regional Working Group in a timely manner in advance of publication, allowing at least fifteen days for review and comment. The NPS will publish the name of those proposals which are selected and funded.

To the extent possible, contractors and awardees must commence work within 60 days of the effective date of an award.

B. The US NPS will use the following principles for project selection as set forth in the templates and as reflected in the solicitations for the Agency's contracts and grants activities

- Target projects to maximize environmental protection and restoration for the Great Lakes;
- Ability to advance implementation of GLRI Action Plan priorities;
- Ability to strategically-achieve measurable environmental outcomes linked to the highest priority issues;
- Ability to advance environmental priorities of existing Great Lakes strategic plans, especially the Lakewide Management Plans and Programs, Remedial Action Plans for Areas of Concern, the Great Lakes Regional Collaboration, the Binational Toxics Strategy and other relevant national and regional coordinated strategic planning efforts;
- Feasibility of prompt implementation, including a bias for action-ready projects and for those which demonstrate quick results;
- Observable local improvements, especially for projects at the field level;
- Bias for interagency/inter-organizational coordination and collaboration;
- Support for new work and for enhancements which do not replace existing Great Lakes base activities;
- Support by the Public and other Stakeholders;
- Ability to leverage non-federal resources;
- Promotion of long-term societal, economic, and environmental sustainability goals; and,
- Minimization of transaction costs.

C. Projects and activities must also meet standards for:

- Using best available science;
- Experience, ability, and authority of the funding recipient to properly perform the work;
- Reasonableness of project costs; and
- Measuring progress and success.

The NPS shall offer USEPA and the other Agencies represented on the Regional Working Group a timely opportunity to review RFP submissions and serve on RFP review and selection panels consistent with existing authorities and NPS's policies.

## 7. Expedite Required Permits:

The NPS shall obtain all required permits in a timely fashion for projects implemented under this IA. To the extent resources are required to expedite permit processing, EPA may authorize the use of IA resources for this purpose.

#### 8. Fund Obligation/Utilization and De-obligation:

All funding that Agency utilizes pursuant to this Interagency Agreement shall be obligated by NPS as expeditiously as possible for the foregoing programs, projects, and activities which support the Great Lakes Restoration Initiative and GLWQA. The NPS shall use its best efforts to obligate the funds transferred by EPA before June 30, 2013 in order to minimize amounts that are returned to the EPA.

Beginning in June 2013, the NPS shall report monthly to the Project Officer regarding its plans to use any funds which remain unobligated. Any funds which have not been obligated by June 30, 2013 shall be returned to EPA unless the EPA Project Officer has agreed in writing to (i) an extension or (ii) the funds' application to projects proposed by the NPS for the subsequent year's allocation or (iii) another mutually agreed-upon use pursuant to the Initiative. Notwithstanding any efforts by NPS to obligate such funds by June 30, 2013, funds which remain unobligated after (June 30, 2013) shall be de-obligated by EPA upon 10 days written notice to Agency.

#### 9. Healthy, Safety and Environmental Compliance:

All health, lab and field activities conducted for this project must be in accordance and compliance with all applicable health, safety and environmental laws, regulations and guidelines.

#### 10. Signage

If appropriate and feasible, the NPS shall ensure that a visible project identification sign is erected as appropriate at each on-the-ground protection or restoration project. Each sign must give project information and credit the Great Lakes Restoration Initiative and appropriate federal agencies for funding. The Agency will determine the design, placement, and materials for each sign.

#### 11. Modification of Interagency Agreement and Written Approval for Transfers Among Templates

This Interagency Agreement can be amended or modified in writing upon consent of the Parties. The Scope of Work attached to this Interagency Agreement can be amended in writing upon consent of the Parties.

The NPS must receive prior written approval by the EPA Project Officer for cumulative transfers among templates or projects which exceed or are expected to exceed the lesser of \$100,000 or ten percent of the Recipient's approved allocation.

#### 12. Reporting

Quarterly Progress Reports: The US NPS shall ensure that quarterly reporting is provided on funding utilized under GLRI and GLWQA activities. This reporting includes programs funded at or below \$500,000 that may not otherwise be identified in cross-cut budgets. This quarterly reporting shall be completed in the Great Lakes Accountability System (GLAS).

Semi-Annual Progress Reports: The Agency shall submit progress reports, beginning with the date of IA execution, every six (6) months during the life of this agreement. Reports shall be submitted to the EPA Project Officer and may be provided electronically. The reports must contain information in order to ascertain that the Scope of Work (SOW) is being carried out as specified in the Interagency Agreement. The EPA Project Officer must be able to determine that all mission support products, services, information or data generation and use, including technology development and verification, is performed in accordance with EPA policies and the IA agreement. The Agency and possibly its grantees and

contractors, upon the direction of the Agency, may be able to input information directly into the system using specified formats and timeframes. The Agency shall ensure that by April 15 and October 15 of each year, information is reported in an accountability system, to be determined, pertaining to its contributions (including those from contracts and grants) to Goals, Objectives, and Measures under the GLRI Action Plan.

**Annual Report:** Beginning in FY 2012, EPA will work with its Interagency Task Force partners to prepare and submit an Annual Report to the President on progress in achieving the Initiative's goals, outcomes, and targets. To that end, the Recipient shall include in an annual report to EPA, information on its Great Lakes activities, including those funded pursuant to the Great Lakes Restoration Initiative and those funded by its base programs. The report shall include funding beginning in FY 2011 and each fiscal year thereafter, detail yearly program accomplishments, and compare specific funding levels allocated for participating Federal agencies from fiscal year to fiscal year. Reporting shall include programs funded at or below \$500,000 that may not otherwise be identified in cross-cut budgets.

**Final Progress Report:** The Agency shall submit a final report to the EPA Project Officer upon expiration of this IA. This report shall incorporate project outputs and summarize the nature and extent of the project, methodologies employed, significant events and experiences, and a compilation of the data collected. The final report shall also include analysis of the data as well as conclusions, and recommendations. The final report shall incorporate photo documentation of funded projects and environmental progress under the projects at appropriate phases, and appropriate illustrations, diagrams, charts, graphs, and maps to express the data and findings. The draft Final Report will be submitted electronically to the USEPA Project Officer no later than 45 after the end of the project period for review and comment. Electronic and paper versions of the Final Report shall be submitted no later than 90 days after the end of the project period.

#### 13. Accountability/Performance System

The NPS and other Great Lakes partners will input all required accountability and performance report information into the Great Lakes Accountability System (GLAS). Information will describe GLRI activities and demonstrate how results are being achieved pursuant to the Action Plan. Recipients and sub-recipients shall be responsible for inputting their accounting/performance data into the GLRI database. The website for the database will be accessible through the GLNPO website at <https://restore.glnpo.net/glas/login.htm>.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2005-0001. This information collection is scheduled to expire on July 31, 2013.

#### 14. Quality Assurance

AS appropriate, the NPS must have a Quality Assurance (QA) and Quality Control (QC) System in place that will provide the needed management and technical practices to assure that environmental data used to support GLRI decisions are of adequate quality and usability for their intended purpose. This system must be in place before any data collection takes place. Since most of the GLRI decisions will rest on environmental data, a management system is needed that provides for:

1. Identification of environmental programs for which QA and QC activities are needed;
2. Specification of the quality of the data required from environmental programs; and,
3. Provision of sufficient resources to assure that an adequate level of QA and QC activities are performed.

This IA will provide mission support products, services, information or data generation including technology development and verification. Any of these activities will be performed in accordance with

approved Quality Assurance procedures or standards with adequate documentation for transparency purposes, including review and approval by recipients QA manager. Because of the nature of the action, data may be collected without EPA review and approval of a project-specific Quality Assurance documents.

The EPA Quality Assurance Officer must be notified when procedures are developed and the quality assurance procedures should be documented. Quality Assurance documentation should be maintained by the IA recipient, but must be provided for review by the EPA Quality Assurance Office on an as needed basis.

This documentation should include, but is not limited to,

- (1) quality assurance procedures, including the rationale for decisions concerning sampling and analysis;
- (2) decisions on usability of data; and
- (3) information on quality-control methods and measurements, e.g., performance evaluation samples, field duplicates, field blanks, laboratory blanks, laboratory duplicates, laboratory surrogate and matrix spikes, laboratory control samples, and calibration.

EPA Guidance for Quality Assurance Project Plans (QA/G-5) (EPA2002) can be found at:  
<http://www.epa.gov/quality/qmps.html>

#### 15. Climate Change Emissions Minimization/Reductions:

The NPS shall encourage;

- (i) minimization and reduction, where possible, of greenhouse gas emissions resulting
- (ii) from activities carried out pursuant to this agreement and
- (iii) the tracking of the reduction of greenhouse gas emissions through these activities.

#### 16. Contract Termination, Disputes and Protests

If a contract or order awarded pursuant to this IA is terminated or cancelled or a dispute or protest arises from specifications, solicitation, award, performance or termination of a contract, the NPS will take appropriate action in accordance with the terms of the contract and applicable laws and regulations. The EPA shall be responsible for all costs associated with termination, disputes, and protests, including settlement costs, except that the EPA shall not be responsible to the NPS for costs associated with actions that stem from errors in performing the responsibilities assigned to the NPS. The NPS shall consult with the EPA before agreeing to a settlement or payments to ensure that the NPS has adequate time in which to raise or address any fiscal or budgetary concerns arising from the proposed payment or settlement.

#### 17. Termination

This IA may be terminated upon thirty (30) calendar days written notice by either party. If this agreement is cancelled, any implementing contract/order may also be cancelled. If the IA is terminated, the agencies shall specify the terms of the termination, including costs attributable to each party and the disposition of awarded and pending actions.

#### 18. Interpretation of IA

If the NPS and EPA are unable to agree on the interpretation of a material aspect of this IA, the parties agree to engage in an effort to reach mutual agreement regarding the proper interpretation of this IA, including amendment of this IA, as necessary, by escalating the dispute within their respective organizations.

If a dispute related to funding remains unresolved for more than sixty (60) calendar days after the parties have engaged in an escalation of the dispute, the parties agree to refer the matter to their respective

Agency Chief Financial Officers with a recommendation that the parties submit the dispute to the CFO Council Intragovernmental Dispute Resolution Committee for review in accordance with Section VII of Attachment 1 to the Treasury Financial Manual, Volume 1, Bulletin No. 2007-03, Intragovernmental Transactions, Subject: Intragovernmental Business Rules, or subsequent guidance.

#### 19. Indirect Costs

The NPS certifies that (1) any indirect costs incurred by the NPS included in billings to EPA represent, in accordance with generally accepted accounting principles, indirect costs that would not have been otherwise incurred by the performing agency, or (2) statutory authority exists for charging other than the incremental costs of performance. If an audit determines that any direct or indirect costs charged to EPA are unallowable, EPA will be notified immediately following the resolution of the audit and EPA will be credited those amounts.

#### 20. Billing Payments

When submitting invoices to the Office of the Chief Financial Officer/Cincinnati Finance Center (OCFO/CFC) requesting payment, a breakdown of the costs associated with the invoice must be provided to the EPA Project Officer (EPA PO). This information allows the EPA PO to determine that costs billed to EPA are necessary and reasonable. If this information is not provided, the EPA PO will notify the OCFO/CFC to suspend or charge back the payment.

#### 21. Payment.

Not more than 30 days before incurring reasonable and necessary costs described in the scope of work, the NPS may, pursuant to this Agreement, submit an estimated payment request via the IPAC system for the electronic transfer of funds to pay such costs. When an IPAC charge is reflected against the CFC's Agency Location Code (ALC) 68-01-0727, the Treasury Department will automatically transfer funds to the requesting Agencies ALC. The NPS will use its best efforts to obligate/expend any funds it receives within 30 days of receipt. On a monthly basis, a breakdown of the costs associated with payments must be provided to the EPA Project Officer (EPA PO). This information allows the EPA PO to determine that costs billed to EPA are necessary and reasonable. If this information is not provided, the EPA PO will notify the OCFO/CFC to suspend or charge back the payment. For further information, please contact:

U.S. EPA CFC

Attn: Jeff Marsala

26 W. ML King Dr.

Cincinnati, OH 45268-7002

E-mail: [Marsala.Jeffrey@epa.gov](mailto:Marsala.Jeffrey@epa.gov)

#### 22. IAs with Contracts or Procurement

In accordance with Public Law (P.L.) 102-389, EPA's policy requires, to the fullest extent possible, that at least 8% of its overall Federal funding for prime and subcontractors awarded in support of authorized programs be awarded to business concerns or other organizations owned or controlled by socially and economically disadvantaged individuals, including historically black colleges and universities and women.

The IA recipient agrees, in awarding contracts under this IA, to comply with EPA's aforementioned utilization policy for Minority Business Enterprises (MBEs) and Women's Business Enterprises (WBEs), which is codified at 40 C.F.R. Part 33. Where the subject IA is for the benefit of Native Americans, the IA recipient agrees to comply with the provisions found at 40 C.F.R. Section 33.304(c), which provides for the preference for Indian-owned economic enterprises and Indian organizations in contracting. The IA recipient will also strive to meet EPA's SBA negotiated goals for awarding contracts to small and disadvantaged businesses.

The IA recipient will accomplish these objectives through adherence to the small and minority-owned business requirements set forth in the Small Business Act, 15 U.S.C. §§ 631 et seq., and the annual Small Business goals negotiated with the IA recipient and Small Business Administration. All reporting on MBE/WBE and small business accomplishments will be accomplished through the existing federal contracting reporting mechanism, currently the Federal Procurement Data System, Next Generation.

The report should be submitted to:

Office of Small Business Programs  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave., NW (Mail code: 1230T)  
Washington, D.C. 20460

A copy should be sent to:

Greg Luchey, DBE Coordinator  
U.S. EPA Region 10  
1200 Sixth Avenue, Suite 900  
Mail Stop: OMP-145  
Seattle, WA 98101

#### 23. Equipment Disposition: Title to Other Agency

Property/equipment authorized under this IA will be titled with the NPS and subject to the NPS's property management procedures with no further accountability to EPA.

#### 24. International travel

International travel by US NPS in support of this IAG is not allowed until after the US EPA has received the OIA Clearance Form(s) for the personnel who are traveling outside of the United States.

25. As appropriate, disputes related to this agreement are to be resolved in accordance with instructions provided in the Treasury Financial Manual (TFM) Vol. 1, Intragovernmental Business Rules Bulletin, available on the TFM website at: <http://www.fms.treas.gov/tfm/vol1/bull.html>

#### 26. Cost Collection Upon Cancellation

If the EPA cancels the order, NPS is authorized to collect costs incurred prior to cancellation of the order plus termination costs, up to the total payment amount provided for under the agreement.

#### 27. Sufficient Progress

EPA expressly reserves the right to terminate this IA for failure to make sufficient progress so as to reasonably ensure completion of the project within the project period, including any extensions. EPA will measure sufficient progress by examining the performance required under the Statement of Work, the time remaining for performance, and/or the availability of funds necessary to complete performance. In exercising the right to terminate, EPA will follow the procedures for terminating the IA in the Terms and Conditions.

#### 28. Restrictions on FY12 Funding for Corporations with Unpaid Federal Tax Liabilities and Felony Convictions

This IA obligates and transfers or advances EPA funds appropriated under the Department of Interior, Environment, and Related Agencies Appropriations Act, (FY12 Appropriations Act). As a result, this interagency agreement (IA) is subject to the provisions of Division E, Sections 433 and 434 of the Appropriations Act, regarding federal felony convictions and unpaid federal tax liabilities. Specifically,

Section 433 provides:

None of the funds made available by this Act [FY12 Appropriations Act] may be used to enter into a contract, memorandum of understanding, or cooperative agreement with, make a grant to, or provide a loan or loan guarantee to, any corporation that was convicted (or had an officer or agent of such corporation acting on behalf of the corporation convicted) of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation, or such officer or agent, and made a determination that this further action is not necessary to protect the interests of the Government.

Section 434 of Division E of the Appropriations Act further provides:

None of the funds made available by this Act [FY12 Appropriations Act] may be used to enter into a contract, memorandum of understanding, or cooperative agreement with, make a grant to, or provide a loan or loan guarantee to, any corporation with respect to which any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless the agency has considered suspension or debarment of the corporation and made a determination that this further action is not necessary to protect the interests of the Government.

Accordingly, by accepting the award of this IA, the Recipient agrees that it will comply with and implement the prohibitions of Sections 433 and 434 for any contract, assistance agreement, loan, loan guarantee or other instrument with any corporation that will be funded with funds provided under this IA.

Non-compliance with the provisions of Sections 433 and 434 may implicate the Antideficiency Act. The Recipient will forward to the EPA Award Official, within 45 days, any determination and documentation supporting an award where suspension and debarment are considered by the awarding agency.

#### 29. Expiration of Funds under Non-Economy Act

For IAs with fixed year funding and executed under any authority other than the Economy Act, if funds are properly obligated on an IA, a performing agency may in turn obligate/expend these funds until the IA ends or the work is complete, whichever is first.

**END OF AGREEMENT #DW-14-95820801-0**

# **Great Lakes Restoration Initiative Interagency Agreement Scope of Work**

**AGENCY NAME: National Park Service**

## **CONTACT INFORMATION:**

Phyllis M. Ellin  
Midwest Region Partnerships Liaison  
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c/o U.S. EPA - Great Lakes National Program Office  
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## **1. INTRODUCTION**

The U.S. National Park Service's Midwest Region (NPS), a member of the Great Lakes Regional Working Group under Executive Order 13340, has participated in the Great Lakes Restoration Initiative (GLRI) since Federal Fiscal Year 2010 and has executed two previous Interagency Agreements with the U.S. Environmental Protection Agency to help carry out the GLRI in FY10 (13 projects for \$10.505 million) and FY11 (nine projects for \$4.861 million).

Through these projects, NPS has accomplished extensive restoration of habitats through

terrestrial invasive and overabundant wildlife control, conducted extensive public outreach on invasive species in the Great Lakes, conducted benthic mapping of national park waters to support coastal restoration, and is continuing to restore subdunal wetlands in southern Lake Michigan.

The purpose and long-term goal of this Interagency Agreement is to continue and build upon this previous work to restore nature habitat in national park areas. Restoring natural processes in the places that the National Park Service has stewardship responsibilities will contribute towards the larger goal of ecosystem resiliency in the Great Lakes. As sites throughout the the Great Lakes are cleaned and restored, places such as national parks units, with the highest protection and integrity of water quality and wildlife habitat, will be the best places to learn how restoration will succeed and will provide the components necessary for native species and biological integrity of the system.

Work that will be conducted under this agreement will address these specific GLRI Action Plan Measures of Progress: toxics focus area (1.3.4); invasives focus area (2.3.2 and 2.3.4); and habitat focus area (4.3.6 and 4.3.7). See individual project descriptions for details:

- a) Prevent toxic and potentially toxic pollutants from entering the Great Lakes from contaminated sites within NPS units.
- b) Significantly increase activity to remove invasive species in national parks. Raise public awareness of this issue and how the public can contribute to limiting invasives.
- c) Complete a thorough analysis of engineering alternatives, including necessary environmental compliance and public involvement, for the restoration of natural shoreline processes in Indiana Dunes National Lakeshore that has been heavily impacted by navigational harbors and breakwaters.
- d) Provide critical information on aquatic habitat, water quality, and ecological conditions for use in coastal restoration and resource management activities.
- e) Participate in interagency actions to understand and manage the problems resulting from the fundamental changes in Lake Michigan's ecology that are affecting wildlife health and visitor experiences at Sleeping Bear Dunes National Lakeshore.
- f) Prevent further damage to rare plant communities and endangered animal species from overabundant wildlife populations in several Great Lakes national parks.
- g) Continue to restore southern Lake Michigan wetlands in Indiana Dunes National Lakeshore so that extirpated ecosystem services such as water purification, carbon sequestration, flood abatement, critical plant and animal habitat, and recreational/social benefits such as bird watching, habitat exploration and view-shed ambiance are re-established.
- h) Restore nearshore and wetland habitats for fish spawning and rearing and for aquatic wildlife species by removing or redesigning large non-natural obstructions in streams and coasts of several national parks in the Great Lakes, restoring natural processes such as instream flow and coastal currents, and increasing visitor safety.
- i) Enhance National Park Service participation in and contributions to the Lakewide Management Plans and their associated goals, objectives and targets for Lakes Superior, Michigan, and Erie.

## 2. BUDGET & PROJECT DETAIL

Focus Area	Project Title	Draft Allocation
TX	Identify & restore contaminated sites National Park Service units	\$800,000
IS	Restore habitats with invasive species control	\$856,509
IS	Shoreline restoration and management plan/EIS	\$100,000
NS	Benthic mapping for coastal restoration	\$150,000
NS	Predict and prevent avian botulism outbreaks	\$200,000
H	Protect Great Lakes ecosystems from overabundant wildlife	\$100,000
H	Restore and Enhance Southern Lake Michigan Subdunal Wetlands	\$650,000
H	Restore coastal and fluvial processes in five national parks	\$400,000
AMECP	Capacity Building support for LaMPs	\$100,000
	All National Park Service Projects	\$3,356,509

## 3. NARRATIVE SCOPE OF WORK: *broken down by discrete project in each Focus Area*

### TOXIC SUBSTANCES

**Title:** Identify & restore contaminated sites National Park Service units

**Funding:** \$800,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916).

Comprehensive Environmental Response, Compensation, and Liability Act (Superfund) 42 U.S.C §9601 (1980, 1986)

**Work:** Contaminated areas resulting from previous land uses and NPS operations exist within many Great Lakes national parks. This project continues efforts started in FY10 at 19 contaminated sites at four parks, conducting environmental investigations, developing feasibility studies, decision documents, community relations plans, designs for contaminated sites, and remediating contaminated sites. In FY12, the goal is to complete remediation at Indiana Dunes Roby Range and Boo Road Range and investigations at Sleeping Bear Dunes Tucker Lake dumpsite and wetlands. Additional funds in future years will be needed to complete cleanup at the remaining sites.

**Milestones:**

May 2012 contract award

September 2012 complete SLBE Tucker Lake site investigation

October 2012 complete INDU Roby Range and Boo Road cleanup

December 2012 final reports received for all activities

**Great Lakes Action Plan Measure of Progress:**

*Focus Area 1, Measure of Progress 4: Cubic yards (in millions) of contaminated sediment remediated in the Great Lakes (cumulative):* Potential cubic yards of contaminated soil Indiana Dunes National Lakeshore (5,000), Sleeping Bear Dunes National Lakeshore (to be determined)

## INVASIVE SPECIES

**Title:** Restore habitats with invasive species control

**Funding:** \$856,509

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916), 16 U.S.C. §1a-2(j), 16 U.S.C. §1j, 16 U.S.C. §1g, 16 U.S.C. §5933, 31 U.S.C. §6305

**Work:** Invasive plant species will be inventoried, monitored and/or removed from aquatic and adjacent wetland and upland communities in National Park Service units within the Great Lakes watershed. Targeted control efforts of these nonnative species will aid in restoration of native communities and enhance ecosystem functions such as water quality and wildlife habitat. This project continues from FY10 and FY11 GLRI efforts to 1) support on-the-ground efforts for inventory, monitoring and control of terrestrial and aquatic invasive species for the six parks in the Great Lakes watershed. Efforts will target new invaders to the watershed, as well as aid the parks in long-term restoration efforts in which invasive species management is a critical component; 2) continue an interagency media campaign to help reduce the unintentional movement by the public of invasive species in and throughout the Great Lakes; 3) continue park and gateway community interpretive programs that highlight local invasive species concerns. These will include large population centers and national parks that may see the same visitor population as the Great Lakes parks; 4) administer a web-based citizen monitoring program and alert system developed from FY 10 funds for new invaders for the Great Lakes Region to continue to engage the public and provide automated reporting of early detection of invasive incursions or movement; and 5) finalize NEPA compliance for exotic plant species management for ten parks in the National Park Service Great Lakes network. This project includes the administrative overhead for all NPS GLRI activities.

### **Milestones:**

- 1) Thirty seasonal staff will be hired for inventory, monitoring and control of invasive species: Acres of invasive species treated or monitored will be reported by each park at the end of each fiscal year.
- 2) Increased public awareness through a media campaign: An outreach coordinator will work with park staff to facilitate communication, education, outreach, and marketing endeavors for audiences in Great Lakes National Parks and those outside of national parks across the Great Lakes Region. Invasive species issues will be highlighted through television, radio, and other news media each fiscal year.
- 3) Ten interpretive park staff will be hired to develop interpretive programs for parks, gateway communities and population centers: Each fiscal year interpreters will present after school, classroom, and field activities, in a variety of public programs including interested citizen organizations, user groups, at locations such as county fairs, local and regional events relating to Great Lakes watersheds.
- 4) Web-based citizen monitoring program: Cooperative agreement for the web based monitoring program was obligated FY10. Additional mapping functions will be added to the system in 2012

### **Great Lakes Action Plan Measure of Progress:**

*Focus Area 2, Measure of Progress 2: Acres managed for populations of invasive species controlled to a target level (cumulative). An additional 1,200 acres will be treated or monitored by September 30, 2012.*

**Note:** As only one measure can be reported in GLAS, Measure of Progress 2.3.4 is not an official measure of progress, however this measure also applies to this project.

*Focus Area 2, Measure of Progress 4: Number of recreation and resource users contacted on best practices that prevent the introduction and spread of invasive species (cumulative). We*

anticipate 115 million indirect impressions and 81,000 direct contacts with 2012 funds.

**Title:** Shoreline restoration and management plan/EIS

**Funding:** \$100,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916), Indiana Dunes National Lakeshore Enabling Legislation, 1966.

**Work:** A Draft Shoreline Restoration and Management Plan/Environmental Impact Statement (EIS) for Indiana Dunes National Lakeshore that was developed with FY10 GLRI funds will be completed to the Final version. The Plan will address: 1) restoration of natural sand movement; 2) dune restoration, control of invasive plants, and protection of federally listed species; 3) control of nonnative invasives; 4) improvement of water quality, including reducing human pathogens and combined sewer outflows; 5) visitor use access and impacts; 6) coordination of beach management and access with landowners and partners; and 7) evaluation of the ambient “natural” sand conditions along Southern Lake Michigan and establishing a baseline condition of the Lakeshore beaches where beach nourishment activities are done.

**Milestones:**

Plan/EIS: Final Environmental Impact Statement (fall, 2012)

Record of Decision (fall, 2012)

Natural Sands Element: Final report (fall, 2012)

**Great Lakes Action Plan Measure of Progress:**

*Other measure (not specified) or measure calculated by EPA. There is no Action Plan Measure of Progress applicable to this project.*

**Note:** If funded in FY13, we will move this project to the Habitat focus area and will have measurable results from project implementation.

## NEARSHORE HEALTH

**Title:** Benthic mapping for coastal restoration

**Funding:** \$150,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916), 16 U.S.C. §1a-2(j), 16 U.S.C. §1j, 16 U.S.C. §1g, 16 U.S.C. §5933, 31 U.S.C. §6305

**Work:** The NPS will characterize baseline aquatic habitat in coastal waters of two or three Great Lakes national parks via intensive benthic habitat mapping begun in 2010. We plan to focus our efforts this year at Apostle Islands and Isle Royale, but we may include Pictured Rocks if our schedule allows. We are focusing our efforts at two parks in an attempt to complete the mapping for at least one location prior to the end of 2013.

**Milestones:**

- Benthic habitat mapping – By October 31, 2012, we will map over 7,500 to 10,000 acres of benthic habitat at two to three parks.
- Nearshore ecological survey – By September 30, 2013, we will complete a report on nearshore ecological conditions in Great Lakes national parks and will identify management implications related to protecting and/or improving water quality and resource conditions.

**Great Lakes Action Plan Measure of Progress:**

*Other measure (not specified) or measure calculated by EPA. There is no Action Plan Measure of Progress applicable to this project.*

**Title:** Predict and prevent avian botulism outbreaks

**Funding:** \$200,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916), 16 U.S.C. §1a-2(j), 16 U.S.C. §1j, 16 U.S.C. §1g, 16 U.S.C. §5933, 31 U.S.C. §6305, Clean Water Act, Endangered Species Act of 1973

**Work:** This project addresses dramatic nearshore ecosystem changes and continued avian botulism outbreaks at Sleeping Bear Dunes National Lakeshore. A variety of monitoring and research approaches will be employed to understand drivers of botulism outbreaks and develop mitigation tools. In particular, we will 1) continue and expand beach monitoring for avian mortality, 2) confirm links between botulism outbreaks and nearshore environmental conditions, 3) further investigate toxin pathways from the lake bottom to birds, 4) develop targeted benthic habitat mapping products, and 5) coordinate and facilitate multi-agency botulism research.

**Milestones:**

By September 30, 2013 field work will be completed.

By September 30, 2014, we will have completed analysis and reports and 1) documented annual bird mortality along 35 miles of Lake Michigan shoreline, 2) developed an understanding of botulism drivers along 35 miles of Lake Michigan shoreline, 3) developed recommendations for minimizing both excessive Cladophora growth and botulism outbreaks along 35 miles of Lake Michigan shoreline, and 4) developed benthic mapping products relevant to 35 linear miles of the Lake Michigan nearshore environment.

**Great Lakes Action Plan Measure of Progress:**

*Other measure (not specified) or measure calculated by EPA. There is no Action Plan Measure of Progress applicable to this project.*

## HABITAT and WILDLIFE

**Title:** Protect Great Lakes ecosystems from overabundant wildlife

**Funding:** \$100,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916)

**Work:** Work will further control the white-tailed deer populations at Indiana Dunes National Lakeshore (IN) and Apostle Island National Lakeshore (WI) to ensure that they do not dominate and negatively influence ecosystem components such as sensitive vegetation or other wildlife. The result will help preserve the exceptional biodiversity found within the national lakeshores.

**Milestones for Apostle Islands NL:**

- Significant reduction of deer numbers on Sand and on York Islands during two field seasons.  
*Deliverable:* Protection of rare plant community through direct reduction in deer population. 1500 acres being restored. Winter/Spring 2012 and Winter/Spring 2013
- Training of NPS and cooperators in deer reductions techniques and specialized equipment.  
*Deliverable:* In-house capability to quickly and efficiently address overabundant deer issues. Summer/Fall 2012
- Monitoring of deer population and related impacts; analysis of biological samples. Estimates of deer population size and browse levels needed to guide management actions and to

measure effectiveness. *Deliverable:* Protocol on the use of trail cameras to estimate population levels - innovative technique that can be transferred to other areas. Summer 2012

**Milestones for Indiana Dunes NL:**

- Seasonals will be hired late April, 2012 and start sampling early spring
- Agreement with APHIS will be completed by July 2012
- Plot resampling will be completed by August 2012
- Field data entered and quality checked by end of October, 2012
- Deer reduction will start in November 2012
- Data analysis and findings reported February 2013
- The deer population will be reduced on 2,000 acres protecting native species in the national lakeshore by January 2013.
- Reduced deer browse pressure will also aid ongoing restoration efforts in the national lakeshore.

**Great Lakes Action Plan Measure of Progress:**

*Focus Area 4, Measure of Progress 7: Number of acres of coastal, upland, and island habitats protected, restored and enhanced. Overall 2,000 acres will be improved through reduced deer browsing pressure.*

**Title:** Restore and Enhance Southern Lake Michigan Subdunal Wetlands

**Funding:** \$650,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916)

**Work:** This project continues 2010 and 2011 efforts to restore a portion of southern Lake Michigan's subdunal wetlands present in a national park. Wetland hydrology will be restored, monotypic stands of non-native species removed, native plants propagated, and native plant assemblages established. An extensive ditch system present in the largest interdunal wetland associated with Lake Michigan, Great Marsh, will be mapped and its ecology, plants, soils, hydrology, and wildlife, assessed. Conceptual designs to neutralize the ditch system will be developed.

**Milestones:**

- March 15, 2012 - Consultation with federal and state agencies will be conducted, required permits identified and permits necessary for FY2012 seasonal work applied for.
- June 1, 2012 – All agreements and contracts completed.
- October 1, 2012 – Spring and summer on-the-ground wetland restoration actions and data collection completed, federal permits for placement of reparative soil in ditches, if necessary, acquired, fall/winter on-the-ground wetland restoration work initiated.
- April 1, 2013 – Seasonal staff reflective of available funding hired and on-the-ground restoration work initiated. Applications submitted for all required permits.
- September 30, 2013 - Spring and summer on-the-ground wetland restoration actions and data collection completed. Work includes placement of reparative fill in ditches and removal of fill from historic wetland. Wetland design work for restoring portions of Great Marsh is completed. Wetland design parameters will be based on USGS data, consultations, and data collected by seasonal crews.

**Great Lakes Action Plan Measure of Progress:**

*Focus Area 4, Measure of Progress 6: Number of acres of wetlands and wetland-associated uplands protected, restored and enhanced. Complete final stages of restoration for 200 to 250 acres*

**Title:** Restore coastal and fluvial processes in five national parks

**Funding:** \$400,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916)

**Work:** Required NEPA compliance, project analyses and designs will be completed, and construction will begin or continue on eight projects in five National Parks to remove, modify or replace large artificial structures in lakes and streams to maintain or restore natural processes. Additional benthic mapping (in conjunction with GLRI Project 89, Benthic mapping for coastal restoration) using multibeam sonar will occur at some locations to acquire additional pre-construction data.

**Milestones:**

The order of project construction will be determined by progress of environmental compliance requirements. By fall 2013, environmental compliance for all projects will be complete, designs will be complete for these projects:

- *Pictured Rocks National Lakeshore, MI* Removal of Lowhead Dams in Lowney Creek; Removal or modification of shoreline revetment at Sand Point;
- *Apostle Islands National Lakeshore, WI* Michigan Island Dock modification or replacement; Sand Island Dock coastal analysis and relocation;
- *Sleeping Bear Dunes National Lakeshore, MI* Removal of Lake Michigan dredged sediment from Platte River beach areas; Reconnection of Mill Pond and Glenn Lake.
- *Isle Royale National Park, MI* Siskiwit bay doc and breakwall modification or removal.

By fall 2013, we anticipate construction will be underway for the following four projects:

- *Pictured Rocks National Lakeshore, MI* Removal of Lowhead Dams in Lowney Creek;
- *Apostle Islands National Lakeshore, WI* Michigan Island Dock modification or replacement; Sand Island Dock relocation.
- *Sleeping Bear Dunes National Lakeshore, MI* Removal of Lake Michigan dredged sediment from Platte River beach areas

By fall 2013 at *Grand Portage National Monument, MN* Grand Portage Creek Restoration: USGS fluvial geomorphologists will investigate these potential sources of instability and present alternative strategies on how best to provide protection. Interns will be hired and make necessary repairs to biorevetment, improve shoreline and riparian habitats through livestaking and mitigate trail erosion adjacent to Lake Superior basin streams.

**Great Lakes Action Plan Measure of Progress:**

*Focus Area 4. Measure of Progress 7. Number of acres of coastal, upland, and island habitats protected, restored and enhanced. Acres to be determined. These eight projects that will restore approximately 21,000 feet of shoreline and 650 acres of nearshore or wetland area. Hydrologic regimes will be restored at two locations and sediment routing processes will be restored or greatly improved at three locations.*

## ACCOUNTABILITY MONITORING, EVALUATION, COMMUNICATION, & PARTNERSHIPS

**Title:** Capacity Building support for LaMPs

**Funding:** \$100,000

**Authority:** National Park Service Organic Act 16 U.S.C. §1 (August 25, 1916)

**Work:** Pursuant to specific LaMP goals and objectives, as well as those of the GLRI action plan, the NPS will initiate and participate in several projects to advance priority LaMP goals. New projects or projects continuing with additional funding for FY12 include beach monitoring for *E. coli*, maintaining and providing data from a benchmark USGS stream gauge, developing final design plans for restoration of a tributary to Lake Erie, and participation in Lakes Superior, Michigan, and Erie LaMPs.

**Milestones:**

- Beach Monitoring for *E. coli*: Beach monitoring will be conducted throughout the peak recreation season, approximately May through September, at 13 popular beaches in Sleeping Bear Dunes National Lakeshore. Results will be posted on the Michigan Beach Guard System website in a timely manner.
- Maintain Stream Gauge on Washington Creek and Post Real Time Data on USGS Website: This work will be ongoing through FY12 and FY13.
- Final Design and Construction Drawings for Restoration of Stanford Run in Cuyahoga River Area of Concern: We expect to award a contract prior to the end of the fourth quarter of FY12, and expect the work to be complete on 2,000 linear feet of stream channel modification and 10-20 acres of floodplain by the end of the third quarter of FY13.
- Participate in LaMP activities: In 2012, NPS staff will continue to participate in interagency meetings and activities related the Lakewide Management Plans relevant to the NPS (Lakes Superior, Michigan, and Erie) when they are scheduled.

**Great Lakes Action Plan Measure of Progress:**

*Focus Area 5, Measure of Progress 2: Number of priority LaMP projects that are completed.* NPS will work on 3 projects contributing to this GLRI Action Plan Measure.

### NPS GLRI 2012 Equipment Needs Exceeding \$1,000

Focus Area	EPA #	Project Title	Funding Purpose	Estimated Amount
N	89	Benthic Mapping for Coastal Restoration	Generator for powering sonar system	\$2,500
H	93	Restore Subdunal Wetlands	Land Tamer LT 8X8 RS	\$35,000
H	93	Restore Subdunal Wetlands	Total station survey instrument	\$10,000

### NPS GLRI FY2012 Contracts, Cooperative & Interagency Agreements

Focus Area	EPA #	Project Title	Funding Purpose	Recipient	Type of Assistance	Estimated Amount (in thousands)
TX	86	Identify & restore contaminated sites	Investigations, designs, remediation	TBD	Contract(s)	798,000
IS	88	Restore Habitats w Invasive Species Control	Citizen monitoring web development	UW Madison	CESU CA mod	25,000
IS	88	Restore Habitats w Invasive Species Control	GRPO outreach	UMN-Duluth	CESU CA mod	34,000
IS	88	Restore Habitats w Invasive Species Control	Media-billboards	Wildlife Forever	CA mod	55,000
N	91	Avian Botulism Outbreaks	Investigating C. bot toxin	UW Milwaukee	CA mod	\$84,000
N	91	Avian Botulism Outbreaks	Analyze <i>Clostridium botulinum</i> samples	USGS MI Water Ctr	IA	\$90,000
N	91	Avian Botulism Outbreaks	Nearshore monitoring buoy	Northwestern Michigan College	CA mod	\$10,000
N	91	Avian Botulism Outbreaks	Geospatial products	TBD	CA	\$40,000
N	91	Avian Botulism Outbreaks	Analyze diets of botulism-affected birds	Northern Michigan University	CESU CA	\$20,000
H	92	Overabundant Wildlife	APIS deer management	USDA APHIS	IA	31,000
H	92	Overabundant Wildlife	INDU deer management	USDA APHIS	IA	30,000
H	93	Restore Subdunal Wetlands	Design Derby Ditch & Dunes Creek	TBD	Contract	40,000
H	93	Restore Subdunal Wetlands	Design for Great Marsh Brown-Kintzle ditch (hydrology model)	TBD	IA	80,000
H	93	Restore Subdunal Wetlands	Fall/Summer 2012 youth team	SCA	CA	80,000
H	93	Restore Subdunal Wetlands	Restore wetlands by fill removal	TBD	Contract	30,000
H	93	Restore Subdunal Wetlands	Invasive Plant Eradication	TBD	Contract	65,000
H	93	Restore Subdunal Wetlands	Wetland Restoration Adjacent to Park lands	The Nature Conservancy	CA	25,000
H	95	Restore Coastal processes	NEPA/Construction	TBD	Contract(s)	360,000
A	322	LaMPs	CUVA final design for Stanford Run	TBD	Contract	65,740
A	322	LaMPs	ISRO stream gage	USGS	IA	32,760

## 7/5/2012

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Great Lakes Restoration Initiative  
Project Funding Summary Spreadsheet  
FY XX  
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7/5/2012

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